

NERT / NDEP / EPA BI-WEEKLY PROGRESS REPORTING

May 10, 2017

(877) 848-7030; Passcode 5921807

CRITICAL PATH ITEMS		
NERT	NEVADA	AECOM
1. Awaiting direction from NDEP regarding desert tortoise sighting; Impacts to weir treatment system schedule TBD.	1. Working with BWPC on weir dewatering treatment NPDES permit; application submitted on 12/28/16.	

GWETS STATUS			
GW-11	FBR	IX	LIFT STATIONS / WELL FIELDS
<ul style="list-style-type: none"> Hybrid (EQ) Volume 44.8 MG W/W – ~ 2.9 MG 	<ul style="list-style-type: none"> Condition normal. 	<ul style="list-style-type: none"> Condition normal (~250 GPM) 	<ul style="list-style-type: none"> Lift Stations normal. Implementation of LS#2 Corrective Action Plan complete; Awaiting soil disposal.

NERT REMEDIAL INVESTIGATION STATUS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Community Involvement	CIP, Revision 2 submitted to NDEP on 5/3; Printing of Community Mailing Documents, Update of Trust website, and preparation for Community Meeting in progress.	Email distribution of community mailing (need NDEP input on approach); Community interview meeting scheduled for 6/21.	Ongoing
RI Phase 2 Access Agreements	Identification of access requirements in progress. Received approved permits from COH for owned property and ROW work; Agreements w/ BEC and Treco in place.	Communication with the remaining entities.	Ongoing
Phase 2 RI Investigation	Installed 25 wells, drilled 43 soil borings, collected approx. 520 soil samples, and developed and sampled 17 wells to date. Development of door tags for Pittman neighborhood in progress.	Continued Phase 2 RI field investigation and data evaluation.	Wk 23/46 45%
Soils Investigation (Unit 4/5)	68 borings have been completed; Groundwater well installed north of Unit 4 sampled on 1/3/17. Second Mobilization Tech Memo submitted 5/8/17.	Second mobilization complete ¹ . Awaiting NDEP comments on memo and recommended third mobilization boring and well locations.	-
Treatability Study : Flushing	Received NDEP comments on treatability study results report (5/2/17) and DVSR (5/9/17).	Submittal of revised DVSR by 6/23/17 and revised report by 7/3/17	-
Treatability Study : SWF GWB	Initial wells installed. UNLV studies in progress. Borehole dilution and slug testing completed. UIC permit application submitted 5/9/17.	Aquifer testing continuing in May. Monitoring and injection well installations in late May and June.	Wk 26/90 25%
Treatability Study : IWF In-Situ (Cr)	Well installation complete in AP Area and CRB; Baseline sampling complete. UNLV studies in progress. Initial Injections completed.	Performance groundwater monitoring and data evaluation.	Wk 29/55 50%
GW Modelling – Phase 5	Phase 5 model submitted to NDEP on 11/16/16; RTC submitted to NDEP on 5/3/17 (no Stakeholder comments received).	Submittal of Phase 6 model revisions to incorporate Phase 5 comments and new RI data.	-

* **BOLD** items indicate change in task status

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NERT REMEDIAL INVESTIGATION STATUS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Operations Area Baseline HRA	Met with NDEP on 12/19/16 to discuss comments and agree on path forward; Meeting notes finalized by NDEP on 4/13/17. NDEP approved extension in due date (to 11/15/17) for COPC/DU Report; Revising COPC/DU Report.	Submittal of revised COPC/DU Report by 11/15/17.	Wk 6/33 20%
Phase 3 Remedial Investigation Work Plan	Agency concurrence received re: revised RAOs and RI execution strategy. Phase 3 RI Work Plan submitted to NDEP on 5/7. Coordination with BMI re: access to investigation locations in progress.	NDEP review of Phase 3 RI Work Plan. Preparation of scope of work and budget estimate for implementation of investigation.	-
Phase 2 Remedial Investigation Modifications	NDEP approved modification requests: <ol style="list-style-type: none"> 1. Additional onsite wells west of GW-11 to evaluate presence of VOCs in groundwater. 2. Extending depth of 3 soil borings proposed between AWF and SWF to 150 ft bgs to determine vertical extent of perchlorate in UMCf. 	Evaluation of data in Unit 4/5 and Leach Plant Areas and possible modification of scope of work in Leach Plant Area. Preparation of modification to perform surface water sampling in Las Vegas Wash.	Ongoing

NDEP DOWNGRAIDENT INVESTIGATION STATUS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
AECOM TASK 131 EA for LVW/BOR Area	AECOM preparing Environmental Assessment (EA) following BOR template. Desert tortoise field survey completed.	Submittal of Biological Assessment to BOR in May. Discussion of need for formal or informal consultation for biological impacts (desert tortoise) with BOR.	Wk 43/105 40%
AECOM TASK 151 SW Investigation	Draft technical memorandum is under preparation.	Submit Preliminary Draft Tech Memo by 6/9.	Wk 42/48 70%
AECOM TASK 160 Geophysical Pilot Test Plan	Draft technical memorandum is under preparation.	Submit Preliminary Draft Tech Memo by 6/9.	Wk 72/72 80%
AECOM TASK 170 GW Investigation	Stakeholders provided feedback on Draft Groundwater Work Plan on 4/19/17. Addressing Stakeholder comments. Transducer installation completed 4/28/17 to 5/2/17.	Submittal of final Work Plan (incl. Stakeholders). Groundwater sampling implementation pending BOR approval of EA.	Wk 33/67 24%

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GWETS / COP PROJECTS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
ETI Work Authorizations / Amendments	<u>In Negotiation</u> <ul style="list-style-type: none"> IWF data capture updates GW sampling amendments AP-5 Treatment amendment 	-	Ongoing
AP-5 Solids Removal	Construction of balance of plant complete; Remainder of pond material to be removed during pond closure activities.	Final system commissioning w/ ETI the week of 5/15.	Wk 14/13 95%
AP-5 Closure	Trust to determine next steps.	-	TBD
GWETS/NET	v1.1 roll-out complete (COP Scorecard).	Rollout v 1.2 (historical data) and v1.3 (IX and GW-11 instrumentation).	Ongoing
Pipeline Flow Evaluation	NDEP approval on project received 8/18/16. Initial implementation costs inclusive to 2017 budget. Pipeline samples collected; system evaluation underway.	Coordination with ETI; Evaluate pipe fouling.	TBD
Pipeline Easements	Title search complete. Approx. 75% of pipeline appears to have significant easement issues.	NERT to determine strategy and budget for continuation of the project.	70%
Water Management Plan	NERT determining multi-year strategy for GW-11 replacement, AP-5 treatment and continued implementation of the COP.	NERT to present strategy to NDEP/EPA.	TBD
<u>AP Area Soil Flushing Treatability Study</u>	Project implementation in progress. More than 12,500 lbs. of ClO4 removed from environment. Flushing at Plot 1; Subplots 1, 2, 4, 5, 7, and 8.	Complete downflushing plot 1; Preparing plot 2 for downflushing.	Wk 29/54 40%

OTHER ENVIRONMENTAL PROJECTS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
<u>TIMET EE/CA</u>	NERT to work with NDEP on finalization of order.	NERT to determine sufficient EE/CA timeline to incorporate results of two studies (ToxSorb and APTwater).	TBD
<u>Parcels Risk Assessment</u>	<ul style="list-style-type: none"> Met with NDEP on 12/19/16 to discuss comments and agree on path forward. Meeting notes finalized by NDEP on 4/13/17. Submitted DVSR/EDD for Parcel C soil data to NDEP on 3/27/17. NDEP provided comments on 2006 DVSR/EDD and requested revision of DVSR on 3/13/17. NDEP approved (on 4/3/17) strategy change and revised due dates. NDEP provided comments on this approval letter via email on 4/4/17. Evaluating schedule change (acceleration) for Parcel F and H 	<ul style="list-style-type: none"> Preparation of response to NDEP comments received via email on 4/4/17. Submittal of Parcel C, D, and G HRA Report by 7/31/17. Submittal of Parcel F HRA Report by 10/20/17. Revisions to Parcel H HRA following receipt of input from NDEP on NERT's Parcel H rad data evaluation (dated 1/13/16) and resolution of NDEP comments on Parcel H 2006 DVSR (per email from NDEP 3/13/17). 	Wk 6/18 30% (for Parcel C, D, and G submittal)

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TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
	HRA reports (pending schedule for Parcel F area borings during RI and pending NDEP response on Parcel H rad data evaluation).		
Parcel C Soil Removal Report	Soil removal complete; Finalization of Soil Removal in progress.	NDEP Review of Soil Removal Report.	Wk 9/7 96%

NDEP ORDER : SNWA WEIRS GROUNDWATER TREATMENT			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
<u>Land Access : BOR</u>	Next step re: access and revised system readiness date TBD due to tortoise sighting.	Next step re: access and revised system readiness date TBD due to tortoise sighting.	Ongoing
<u>Land Access : CC and COH</u>	Week of 5/1 – Trust submitted RTC letters to COH Community and Services Dept., COH Building and Fire Safety Dept., COH Dept. of Public Works; and COH Parks and Recreation Dept.	Receipt of additional COH comments; Submittal of additional permitting, as required.	Ongoing
Treatment System Design	75% design package submitted; NDEP comments received and will be addressed with 90% design; Design advancing.	Submittal of 90% weir treatment design.	Ongoing
<u>Tamarisk Removal (Pipeline ROW)</u>	Tamarisk removal and boulder placement / area restoration complete; Final inspection by Clark County complete.	Task complete.	Complete
Minor Source Air Permit Application	Preparation of permit application in-progress.	Submittal of permit application	Ongoing

TRUST ADMINISTRATION			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Budget Status	2017 Budget approved 4/7/17.	NERT to distribute updated master schedule.	Ongoing
<u>Stakeholder Relations</u>	Preparation of Annual meeting and Quarterly call minutes in progress.	Preparation for 5/23 Technical Roundtable call.	Ongoing
Tronox LTCA Projects	11 active projects; no projects approval pending.	Invoice 105 to be submitted.	Ongoing
BWC / BEC Negotiations	<u>In Progress</u> <ul style="list-style-type: none"> LS#2 easement amendment Pipeline investigation access 	<u>To Be Discussed</u> <ul style="list-style-type: none"> Corrective easements for pipelines Phase 3 access 	Ongoing
<u>Chlorine Line</u>	Ongoing negotiation with all parties.	NERT to discuss with NDEP when appropriate.	Ongoing
<u>Easement for Parcel E (+ Western Slice)</u>	Henderson GW, LLC will be seeking an easement instead of a purchase.	NERT to negotiate easement terms and present to NDEP.	Ongoing
<u>Perchlorate Reimbursement</u>	Fifth payment demand submitted on 1/20/17.	Respond to any additional comments from DOJ.	Ongoing

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TASK *	TRUST ADMINISTRATION		
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<u>AIG Claims</u>	Jan - Apr 2016 submitted 9/12/16. May - June 2016 submitted 12/5/16. Jul - Dec 2017 submitted 4/19/17.	Submit 2017 invoices.	Ongoing
<u>Tronox Escrow</u>	NERT to resolve when appropriate.		TBD
<u>Financial Reporting</u>	March report distributed.	Distribution of April report.	Ongoing
<u>Tronox Lease Matters</u> (Confidential)	-		

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